CW&HW#43: Area in the CP Pt. II

Geometry

Due Monday: Nov. 16th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

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| You will be able to find the area of shapes on a coordinate grid. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Identify the correct shape * Use the correct area formula * Determine the side lengths (or base and height) * Solve * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. a) Find the area of rectangle ABCD with vertices at A(-3,0), B(3,2), C(4,-1), and D(-2,-3)   ../Images/Coordinate_Grid_XYAxis.PNG  Area =\_\_\_\_\_\_\_\_\_\_\_\_ | 1. ../Images/Coordinate_Grid_XYAxis.PNGQuadrilateral QBCD has vertices D(5,1), E(2,4), F(-4,4), and G(-1.1). Determine the area.   Area = \_\_\_\_\_\_\_\_\_\_\_\_ |

DID YOU FOLLOW THE CRITERIA FOR SUCCESS??

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| You will be able to find the area of shapes on a coordinate grid…Continued. DIRECTIONS: Complete the practice below in your notebook. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Identify the correct shape * Use the correct area formula * Determine the side lengths (or base and height) * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. Square PQRS has vertices P(-3, 0), Q(0, 4), R(4, 1), and S(1, -3). Determine the area of the square | 1. Rectangle ABCD has vertices A (-3, -4), B (-1, 2), C (2, 1), and D (0, -5). Determine the area of the rectangle. |
| 1. Find the area of quadrilateral QFIZ that has vertices Q(2,-1), F(-1,-1), I(-2,-3), Z(1,-3). | 1. Quadrilateral USFW has vertices U(1,-3), S(-1,-2), F(-1,5), and W(1,-4). Find the area of USFW. |
| \*Want more practice or Still confused? Go to the Geometry wiki space for links to worked out solutions and more practice problems. | |

DID YOU FOLLOW THE CRITERIA FOR SUCCESS??

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| You will be able to write the equation of a line that describes each side of your shape. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Identify the correct shape * Find the slope of each side * Write an equation in the correct form * Examine your answer: Does it answer the question? Does it make sense? Include units if needed? | |
| 1. Rectangle ABCD has vertices at A(-3,0), B(3,2), C(4,-1), and D(-2,-3). 2. Write the equation of a line that contains side   b) Write the equation of a line that contains side  .  c) Write the equation of a line that contains side .  d) Write the equation of a line that contains side . | 8. Quadrilateral QBCD has vertices D(5,1), E(2,4), F(-4,4), and G(-1.1).   1. Write the equation of a line that contains side 2. Write the equation of a line that contains side 3. Write the equation of a line that contains side 4. Write the equation of a line that contains side |
| Directions: Go back through questions 1-6 and write an equation for each side of the shape. Use the criteria for success above to check your work! | |